

Message Text

LIMITED OFFICIAL USE

PAGE 01 HONG K 10973 120802Z
ACTION SY-05

INFO OCT-01 EA-10 ISO-00 FBOE-00 A-01 /017 W
-----055752 121032Z /13
R 120731Z SEP 77
FM AMCONSUL HONG KONG
TO SECSTATE WASHDC 6657

LIMITED OFFICIAL USE HONG KONG 10973

DEPARTMENT FOR A/SY/OPS/T, INFO A/FBO

E.O. 11652: N/A
TAGS: ASEC, ABLD
SUBJECT: PROPOSED MSG BOOTH MODIFICATIONS

REF: HONG KONG 10689

1. AS MENTIONED REFTTEL, IT IS CONCEIVABLE CHUBB
MANUFACTURED POLYCARBONATE TRANSPARENT ARMOR
MAY BE USED IN LIEU OF LEXAN IN MSG BOOTH MODIFICATIONS.
THIS POSSIBILITY SEEMS MORE REMOTE AT THIS TIME IN VIEW
OF THE RELATIVELY HIGH COST OF LOCALLY AVAILABLE CHUBB
ARMOR. HOWEVER, IN THE EVENT IT BECOMES NECESSARY TO
USE THIS PRODUCT THE FOLLOWING SPECIFICATIONS ARE
TRANSMITTED FOR YOUR INFORMATION. TEST RESULTS USING
.45 CALIBER AUTO AMMUNITION WERE CONDUCTED BY HONG KONG
SECURITY LTD. IN MAY 1974. NO INDEPENDENT VERIFICATION
OF THIS TEST RESULT HAS BEEN MADE BY RSO, AS OF THIS TIME.

2. CHUBB SPECIFICATIONS ARE AS FOLLOWS:

A. BALLISTIC RESISTENCE .38 TO .45 CALIBER MULTIPLE HIT
CLOSE RANGE. CLOSE RANGE NOT FURTHER IDENTIFIED.

B) WEAR RESISTENCE CONSIDERED TO BE THE SAME AS
LIMITED OFFICIAL USE

LIMITED OFFICIAL USE

PAGE 02 HONG K 10973 120802Z

SAFETY GLASS BOTH FOR HANDLING AND CLEANING.

C) TRANSPARENCY: TRANSMISSION OF LIGHT AND DISTORTION
CHARACTERISTICS ARE SAID TO BE AS GOOD AS ANY HIGH
QUALITY GLASS.

D) DIMENSION STABILITY: REPORTEDLY NO RADICAL CHANGE IN

DIMENSIONS DUE TO TEMPERTATURE OR HUMIDITY VARIATIONS.

E) CHEMICAL RESISTENCE: NITRIC ACID
(20 PERCENT), H₂SO₄ (50 PERCENT), AMONIUM CHOLORIDE,
ETHAL ALCOHOL (90 PERCENT), NO EFFECT.

F) FIRE RESISTENCE: GLASS IS RATE AS SELF-EXTINGUISHING.

G) WEIGHT: 7 LBS. PSF

H) SHATTER RESISTENCE: TRANSPARENT ARMOR IS A COMBINATION
OF POLYCARBONATE LAMINATED BETWEEN TWO SHEETS OF SHATTER
RESISTENT GLASS WHICH IS SAID BY THE MANU-
FACTURER TO BE UNBREAKABLE.

3. HONG KONG SECURITY LTD. TEST OF CHUBB TRANSPARENT
ARMOR TOTAL 3/4 INCH THICKNESS LAMINATED TRIPLEX
AND POLYCARBONATE WITHSTOOD .45 AUTO. INNER AND
OUTER LAYERS OF TRIPLEX WERE BLUGED BUT DID NOT
PENETRATE POLYCARBONATE.

4. IN OVERALL CONSTRUCTION AND SPECIFICATIONS, CHUBB
TRANSPARENT ARMOR APPEARS TO BE A THINNER VERSION OF
GE LEXGUARD. CHUBB HAS PROVIDED RSO WITH
A 1 SQUARE FOOT SAMPLE FOR TESTING. RSO WILL
FORWARD THIS SAMPLE TO SY/OPS/T FOR BALLISTICS
LIMITED OFFICIAL USE

LIMITED OFFICIAL USE

PAGE 03 HONG K 10973 120802Z

TESTING IF DESIRED.

5. AT US DOLLARS 45 PER SQUARE FOOT IT SEEMS LESS
THAN LIKELY THAT THIS MATERIAL WILL BE USED IN
THE MSG BOOTH MODIFICATIONS. HOWEVER, OPS/T MAY
WISH TO TEST THE CHUBB SAMPLE IN ORDER TO INCREASE
ITS DATA BASE OF AVAILABLE TRANSPARENT ARMORS. CHUBB
REPRESENTATIVE HAS REQUESTED RETURN OF SAMPLE AFTER
TESTING AND, IF AT ALL POSSIBLE, EXTRACT OF TEST
RESULTS.

6. PLEASE ADVISE A) IF ABOVE SPECIFICATONS ARE
CORRECT, IF CHUBB TRANSPARENT ARMOR WOULD BE SUITABLE
SUBSTITUTE FOR 1/2 INCH LEXAN AND, B) IF SY/OPS/T
WISHES TO EXAMINE SAMPLE. CHUBB REPRESENTATIVE
FULLY UNDERSTANDS BALLISTIC TESTING MAY BE UNDER-
AKEN AND HAS NO OBJECTION TO RESULTING DAMAGE OF
SAMPLE.
CROSS

LIMITED OFFICIAL USE

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Sent Date: 12-Sep-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977HONGK10973
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770329-0757
Format: TEL
From: HONG KONG
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770975/aaaacjlf.tel
Line Count: 113
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 0c138648-c288-dd11-92da-001cc4696bcc
Office: ACTION SY
Original Classification: LIMITED OFFICIAL USE
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: LIMITED OFFICIAL USE
Previous Handling Restrictions: n/a
Reference: 77 HONG KONG 10689
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 10-Jan-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 1311520
Secure: OPEN
Status: NATIVE
Subject: PROPOSED MSG BOOTH MODIFICATIONS
TAGS: ASEC, ABLD
To: STATE
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/0c138648-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009